COR-0362

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AUGMENTED INSTRUMENTATION IIA PROGRAM

FLIGHT	EQUIPMENT EFFORT	TEST EXPLANATION	DATA RELEASE
1. Engineering	None		
2. Engineering	None		
3. Bio-Medical	Install ablation sensors and record ablation on one channel of the Northam recorder. Data from ablation sensors to be superimposed on bio-medical data.		
4. Bio-Medical	Same as Flight 3		
5. CORONA	Install emulsion cubes in nose assembly to observe penetration of primary auroral particles.	Installation of GFE devices to evaluate their performance in orbital environment and during re-entry-recovery phase. Equipment CLASSIFIED.	Release ablation data from Flight 3 & 4, nose fairing temperatures from Flight 5.
6. CORONA	Same as Flight 5	Same as Flight 5	Release nose fairing temperatures from Flight 6, data from particle penetration from Flight 5.
7. Bio-Medical	Install ablation sensors as on Flights 3 & 4		

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FLIGHT	EQUIPMENT EFFORT	TEST EXPLANATION	DATA RELEASE
8. CORONA	Install air density gauge in aft section of 117L vehicle. Install emulsion cubes in nose assembly to observe penetration of primary auroral particles.	Installation of GFE devices to evaluate their performance in orbital environment and during re-entry-recovery phase. Equipment CLASSIFIED.	Release nose fairing temperatures from Flight 8 air density data from Flight 8, data on particle penetration from Flight 6.
9. CORONA	Same as Flight 8	Same as Flight 8	Release ablation data from Flight 7, nose fairing temperatures from Flight 9, data from Flight 8 on partical penetration. Release air density data from Flight 9.
10. Infrared	To be developed by B.M.D. for ARPA	To be determined when equipment is further into development.	
11. CORONA	Same as Flight 8	Installation of GFE devices to evaluate their performance in orbital environment and during re-entry-recovery phase. Equipment CLASSIFIED.	Release nose fairing temperatures from Flight 11 air density data from Flight 11, data on particl penetration from Flight 9.
12. CORONA	Same as Flight 8	Same as Flight 11.	Release ablation data from Flight 10, nose fairing temperatures from Flight 12 and air density data from Flight 12.

FLIGHT	EQUIPMENT EFFORT	TEST EXPLANATION	DATA RELEASE
13. CORONA	Same as Flight 8	Same as Flight 11.	Release data on particle penetration from Flight 11 nose fairing temperatures from Flight 13 and air density data from Flight13
14. Navigation	To be developed by B.M.D. for ARPA	To be determined when equipment is further into development.	
15. CORONA	Install airborne magnet-ometer and associated electronic equipment in 117L vehicle. Installation will add approximately 30 lbs to the in orbit weight. Install emulsion cubes in nose assembly to observe penetration of primary auroral particles.	Installation of GFE devices to evaluate their performance in orbital environment and during re-entry-recovery phase. Equipment CLASSIFIED.	Release data on magnetic anomolies from Flight 15 nose fairing data from Flight 15, ablation data from Flight 14.
16. CORONA	Same as Flight 15	Same as Flight 15	Release data on magnetic anomalies from Flight 16 data on particle penetration from Flights 12 & 13
17. CORONA	Same as Flight 8	Same as Flight 15	Release data on air density from Flight 17, data on particle penetration from Flights 15 & 16, nose fairing temperatures from Flight 17.
18. CORONA	Same as Flight 8	Same as Flight 15	Release nose fairing temperature data from Flight 18 and air density data from Flight 18.

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FLIGHT	EQUIPMENT EFFORT	TEST EXPLANATION	DATA RELEASE
19. CORONA	Same as Flight 8	Same as Flight 18	Release data on particle penetration from Flights 17. 18 & 19, nose fairing temperature data from Flight 19 and air density data from Flight 19.

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NOTE: 1. [redacted]

2. GFE devices referred to might be detection, guidance and control equipment for anti-ICBM missiles, which would be carried by a ring of satellites interposed between the USA and the USSR.

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